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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/868,399	Denis Tranchand-Bunel	33339/235735

INTERNATIONAL APPLICATION NO.

PCT/FR99/03311

LA. FILING DATE

12/29/1999

PRIORITY DATE

12/31/1998

000826

ALSTON & BIRD LLP
 BANK OF AMERICA PLAZA
 101 SOUTH TRYON STREET, SUITE 4000
 CHARLOTTE, NC 28280-4000

CONFIRMATION NO. 8981

371 FORMALITIES LETTER



OC000000010664461

Date Mailed: 08/08/2003

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 06/18/2001
- English Translation of the IA filed on 06/18/2001
- Copy of the International Search Report filed on 06/18/2001
- Copy of IPE Report filed on 06/18/2001
- Preliminary Amendments filed on 06/18/2001
- Information Disclosure Statements filed on 06/18/2001
- Biochemical Sequence Diskette filed on 06/18/2001
- Oath or Declaration filed on 07/12/2001 ✓
- Biochemical Sequence Listing filed on 06/18/2001
- Request for Immediate Examination filed on 06/18/2001
- Copy of references cited in ISR filed on 06/18/2001
- U.S. Basic National Fees filed on 06/18/2001
- Priority Documents filed on 11/15/2002

Applicant's response filed 03/20/2003 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 12/21/2001 have not been completed.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR

1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
 - **APPLICANT MUST PROVIDE:**
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 305-3734

PART 2 - OFFICE COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/868,399	PCT/FR99/03311	33339/235735



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/868,399	Denis Tranchand-Bunel	33339/235735

INTERNATIONAL APPLICATION NO.

PCT/FR99/03311

000826
 ALSTON & BIRD LLP
 BANK OF AMERICA PLAZA
 101 SOUTH TRYON STREET, SUITE 4000
 CHARLOTTE, NC 28280-4000

LA. FILING DATE	PRIORITY DATE
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12/29/1999

12/31/1998

CONFIRMATION NO. 8981

371 WITHDRAWAL NOTICE



OC000000010645872

Date Mailed: 08/08/2003

WITHDRAWAL OF PREVIOUSLY SENT NOTICE

The Notice mailed on 03/27/2003 was sent in error and is hereby withdrawn. A corrected Notice is enclosed. The time period for reply runs from the mail date of the enclosed Notice. We apologize for any inconvenience this caused.

 CHARITTA A BURT

 Telephone: (703) 305-3734

PART 3 - OFFICE COPY



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DEA/FCE-1994

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER
	16

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application
Commissioner of Patents

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R. § 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 C.F.R. §§ 1.821-1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. Specifically, the sequences shown in Figure 1 do not have SEQ ID NO's attached and the peptide listed at the bottom of the figure (starting RVNQ...) has not been submitted on a CRF.

A reply to a notice to comply with the sequence rules should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office.

Please direct all replies to the United States Patent and Trademark Office via one (1) of the following:

1. Electronically submitted through EFS-Bio
(<http://www.uspto.gov/ebs/efs/downloads/documents.htm>), EFS Submission User
Manual - ePAVE)

2. Mailed to:
U.S. Patent and Trademark Office
Box Sequence, P.O. Box 2327
Arlington, VA 22202

3. Mailed by Federal Express, United Parcel Service or other delivery service to:
U. S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Box Sequence
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

4. Hand Carried directly to the Customer Window at:
2011 South Clark Place
Crystal Plaza Two, Lobby, Room 1B03, Box Sequence,
Arlington, Virginia 22202

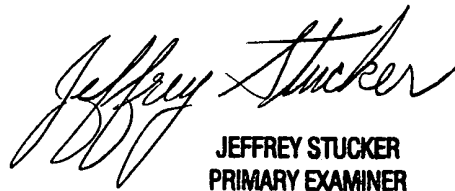
Any inquiry concerning this communication from the Examiner should be directed to Jeffrey Stucker, whose telephone number is (703) 308-4237. The Examiner can normally be reached on Mondays through Fridays from 7:00 a.m. to 3:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Housel, can be reached on (703) 308-4027.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0196.

Any questions regarding compliance with the sequence rules requirements specifically should be directed to the departments listed at the bottom of the Notice to Comply.

APPLICANT IS GIVEN ONE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 C.F.R. §§ 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R. § 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R. § 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

A handwritten signature in cursive script, reading "Jeffrey Stucker". The signature is written in dark ink and is positioned above the printed name and title.

JEFFREY STUCKER
PRIMARY EXAMINER

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

☒ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☒ 7. *not all of the disclosed sequences have been included in the CRF*
Other: _____

Applicant must provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

PL

PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/868,399

DATE: 07/05/2001

TIME: 16:14:29

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\07032001\I868399.raw

4 <110> APPLICANT: Tranchand-Bunel, Denis
5 Auriault, Claude
6 Gras-Masse, Helene
7 Institut Pasteur de Lille
8 Centre National de la Recherche Scientifique-CNRS
10 <120> TITLE OF INVENTION: Detection and Monitoring of HIV Viral
11 Infections
13 <130> FILE REFERENCE: 33339/235735
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/868,399
C--> 15 <141> CURRENT FILING DATE: 2001-06-18
15 <150> PRIOR APPLICATION NUMBER: PCT/FR99/03311
16 <151> PRIOR FILING DATE: 1999-12-29
18 <150> PRIOR APPLICATION NUMBER: FR98/16727
19 <151> PRIOR FILING DATE: 1998-12-31
21 <160> NUMBER OF SEQ ID NOS: 1
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 36
27 <212> TYPE: PRT
28 <213> ORGANISM: Human Immunodeficiency Virus
30 <400> SEQUENCE: 1
31 Lys Ile Gln Asn Phe Arg Val Tyr Tyr Arg Asp Ser Arg Asp Pro Leu
32 1 5 10 15
33 Trp Lys Gly Pro Ala Lys Leu Leu Trp Lys Gly Glu Gly Ala Val Val
34 20 25 30
35 Ile Gln Asp Asn
36 35

ENTERED

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/868,399

DATE: 07/05/2001

TIME: 16:14:30

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\07032001\I868399.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date